Group Art Unit:

unknown

INFORMATION DISCLOSURE CITATION	1
IN AN APPLICATION	

(Use several sheets if necessary)

		2007	Sneet
Attorney Docket 0600-1121	10: NOV 08		Application No.: 10/561,517
Applicant: Harvé GRO	UX TRAD	EMARRE	

Filing Date:

**December 20, 2005** 

		U.S. PATENT	T DOCUMENTS				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing (if appro	
							· ·-
<del></del>							
-							
		FOREIGN PAT	ENT DOCUMENTS				
Examiner	Document Number	Date	Country	Class	Subclass	Tran	slation
Initial		,				Yes	No
	WO 2006/018674	2/23/2006	INTERNATIONAL WO				
	WO 2005/046729	5/26/2005	INTERNATIONAL WO				
	OTHER DOCUMEN	ITS (Including Au	ıthor, Title, Date, Pertineı	nt Pages,	Etc.)		
	MOTTET et al., "Cutting Edge	: Cure of Colitis b	v CD4 <sup>+</sup> CD25 <sup>+</sup> Regulatory 1	Cells <sup>1</sup> ",	April 15, 20	03, pp.	3939
	3943, XP-002275079,						
	GROUX et al., "A CD4 <sup>+</sup> T-cell		tigen-specific T-cell respon	ses and p	revents col	itis", O	ctobe
	1997, pp. 737-742, Nature/Vo BARRAT et al., "In Vitro Gene	1 389.	- 40 producing Populaton	CD4+ T C	Colle le Ind	ucod by	,
İ	Immunosuppressive Drugs an	ration of interleuki	alper Type 1 (Th1)- and Th	2-inducin	o Cytokine	s Marc	h 4
	2002, pp 603-616, The Rocke	follor University Pr	ese Vol 195 No 5	12-11 ducing	g Oytomio	o, maro	• • • •
	GROUX, "Type 1 T-Regulator	v Cells: Their Role	e in the Control of Immune	Response	es <sup>1</sup> ", May 1	5, 2003	, pp.
	8S-12S, Transplantation, Vol	75, No 9, Supplem	ent, XP-008025406.				
	MALLAT et al., "Induction of a	Regulatroy T Cell	Type 1 Response Reduce	s the Dev	elopment c	of	
	Atherosclerosis in Apolipoprof	ein E- Knockout M	lice", July 21, 2003, pp. 12	232-1237,	Basic Scie	nce Re	oorts,
	XP009028370.			au . –	4000	540.54	2
	BLACKMAN et al., "A role for	clonal inactivation	in 1 cell tolerance to Mis-1	, June /	, тээо, рр.	540-54	∠,
	Nature, Vol. 345.  JONES et al., "Peripheral Clo	nal Elimination of E	untional T Cells" Decomb	pr 21 100	00 nn 172	6-1720	

WEBB, et al. "Extrathymic Tolerance of Mature T Cells: Clonal Elimination as a Consequence of Immunity", December 21, 1990, pp. 1249-1256, Cell, Vol. 63. HUANG et al., "Cell growth and matrix invasion of EBV-immortalized human B lymphocytes is regulated by expression of  $x_v$  integrins", February 2000, pp. 1915-1923, Oncogene (2000) 19.

**EXAMINER:** 

/James Martinell/

194, Immunological Reviews, ISSN 0105-2896.

Science, Vol 250.

DATE CONSIDERED

RÖCKEN et al., "Immune Deviation - the Third Dimension of Nondeletional T Cell Tolerance", 1996, pp. 175-

10/22/2009

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

BC/blg

<sup>\*</sup> English language abstract provided for the Examiner's convenience

		g i	XPE	MASS			
PTO-1449		•	/0	אין זמחר		Sheet 2	2 of <u>4</u>
	RMATION DISCLOSURE	CITATION	Attorney Doctet Nov01 08	\$ E	Application No. 10/561,51		
	IN AN APPLICATIO	N	Applicant: Harvé GROUX	DEN			
	(Use several sheets if necess	ary)	Filing Date: December 20, 2005	5	Group Art Unit		
		U.S. PATE	NT DOCUMENTS				
Examinei Initial		Date	Name	Class	Subclass	_	date opriate)
	,						
					-		
	•						
		FOREICN BA	TENT DOCUMENTS	<u> </u>			
				Cla	ss Subclass	Ten	nslation
Examiner Initial	Document Number	Date	Country	Cla	ISS Subciass	Yes	No
						Ì	
	OTHER DOCUME	NTS (Including	Author, Title, Date, Pertin	ent Page	s, Etc.)		
	SAWITZKI et al., "Regulatory	Tolerance-Media	ating T Cells in Transplanta	ation Toler	ance", 2001	, pp. 20	92-
	2093, Transplantation Procee	dings, 33.					
	SPRINGER, "Traffic Signals f Paradigm", January 28, 1994			e Emigrati	on: The Mu	itistep	
	BOUR et al., "In Vitro T Cell F	Response to Stap	hylococcal Enterotoxin B	Superantic	en in Chron	ic Plaqu	е Туре
	Psoriasis", 1995, pp. 218-221	. Scandinavian U	Iniversity Press.				
	WEINER, "Oral Tolerance for	the Treatment of	f Autoimmune Diseases",	1997, pp. :	341-351, An	nu. Rev	. Med.
· · · · · · · · · · · · · · · · · · ·	48. POWRIE et al., "Inhibition of	Th1 Responses F	Prevents Inflammatory Boy	vel Diseas	e in <i>scid</i> Mic	e	
	Reconstituted with CD45RBhi	CD4 <sup>+</sup> T Cells", C	october 1994, pp. 553-562,	, Immunity	, Vol 1.		
	ALON et al., "From rolling to a	arrest on blood ve	essels: leukocyte tap dand	cing on en	dothelial inte	grin liga	ands
	and chemokines at sub-secon KUBES, "Introduction: The co	nd contacts", 200	2, pp. 93-104, seminars in	DD 65-7	LUGY, VOI.	14. n	
	KUBES, "Introduction: The co	ompiexities of let	ikocyte rechalanent , 2002	, pp. 03-77	L, Schillais I	• •	
	TICCHIONI et al., "Integrin-as	sociated protein	(CD47/IAP) contributes to	T cell arre	est on inlamr	natory	
	vascular endothelium under fi	low", February 20	001, pp. 341-350, The FAS	SEB Journ	al, Vol 15.		
	BUTCHER et al., "Lymphocyt	e Homing and H	omeostasis", April 5, 1996.	, pp. 60-66	o, Science, V	01. 2/2.	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

FOUSSAT et al., "A Comparative Study between T Regulatory Type 1 and CD4\* CD25\* T Cells in the Control

WAKKACH et al., "Differentiation of Regulatory T Cells 1 Is Induced by CD2 Costimulation1", 2001, pp. 3107-

DATE CONSIDERED

10/22/2009

of Inflammation", 2003, pp. 5018-5026, The Journal of Immunology.

3113, The Journal of Immunology.

/James Martinell/

**EXAMINER:** 

BC/blg

<sup>\*</sup> English language abstract provided for the Examiner's convenience

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Attorney Docket	٨
0600-1121	

MON 0 8 5001

bplication No.: D/561.517

Applicant: Harvé GROUX

Filing Date:

**December 20, 2005** 

Group Art Unit: unknown

# **U.S. PATENT DOCUMENTS**

Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)
				!	
	Document Number	Document Number Date	Document Number Date Name	Document Number Date Name Class	Document Number Date Name Class Subclass

#### FOREIGN PATENT DOCUMENTS

Examiner	Document Number	Date	Country	Class	Subclass	Tran	slation
Initial			-			Yes	No

# OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CAMPBELL, "Chemokines and the Arrest of Lymphocytes Rolling Under Flow Conditions", Januar	y 16,	1998,
pp 381-384, Science, Vol 279.		

CHEN et al., "Regulatory T Cell Clones Induced by Oral Tolerance: Suppression of Autoimmune Encephalomyelitis", August 26, 1994, pp. 1237-1240, Science, Vol 265.

MC GUIRK et al., "Pathogen-specific T Regulatroy 1 Cells Induced in the REspiraotry Tract by a Bacterial Molecule that Stimulates Interleukin 10 Production by Dendritic Cells: A Novel Strategy for Evasion of Protective T Helper Type 1 Responses by Bordetella pertussis", January 21, 2002, pp. 221-231, The Rockefeller University Press, Vol. 195, No. 2.

ASSERMAN et al., "An Essential Role for Interleukin 10 in the Function of Regulatory T Cells That Inhibit Intestinal Inflammation", October 4, 1999, pp. 995-1003, The Rockefeller University Press, Vol. 190, No. 7. JONES, "Failure of Clonal Delection in Neonatally Thymectomized Mice: Tolerance Is Preserved through

Clonal Anergy", November 1990, pp. 127-1285, The Journal of Experimental Medicine, Vol. 172. HIRATA, "P-Selection Glycoprotein Ligand 1 (PSGL-1) Is a Physiological Ligand for E-Selectin in Mediating T Helper 1 Lymphocyte Migration", December 4, 2000, pp. 1669-1675, The Rockefeller University Press, Vol. 192, No. 11.

KEHREN et al., "Cytotoxicity Is Mandatory for CD8<sup>+</sup> T Cell-mediated Contact Hypersensitivity", March 1, 1999, pp. 779-786, The Rockefeller University Press, Vol. 189, No. 5.

GRACA et al., "Identification of Regulatory T Cells in Tolerated Allografts", June 17, 2002, pp. 1641-1646,

The Rockefeller University Press, Vol. 195, No. 12.

CONG et al., "Bacterial-Reactive T Regulatory Cells Inhibit Pathogenci Immune Responses to the Enteric Flora<sup>1</sup>", 2002, pp. 6112-6119, The Journal of Immunology.

**EXAMINER:** 

/James Martinell/

DATE CONSIDERED

10/22/2009

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

BC/blq

<sup>\*</sup> English language abstract provided for the Examiner's convenience

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Attorney Docket No. 0 8 200 Applicant:

Application No.: **10/561,517** 

(Use several sheets if necessary)

Filing Date: December 20, 2005

Group Art Unit: unknown

### **U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)
ļ	UNIO 17 1					
	·					
ļ					L	

### **FOREIGN PATENT DOCUMENTS**

Examiner	Document Number	Date	Country	Class	Subclass	Translation	
Initial			-			Yes	No
							_
			<u></u>				
					ļ		
1							

# OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LEUKER et al., "Neonatally Induced Inactivation of the Vascular Cell Adhesion Molecule 1 Gene Impairs B Cell Localization and T Cell-dependent Humoral Immune Response", March 19, 2001, pp. 755-767, The Rockefeller University Press, Vol. 193, No. 6.

POWRIE et al., "Regulatory Interaction between CD45RB<sup>high</sup> and CD45RB<sup>low</sup> CD4<sup>+</sup> T Cells Are Important for the Balance between Protective and Pathogenic Cell-mediated Immunity", February 1994, pp. 589-600, The Rockefeller University Press, Vol. 179

COTTREZ et al., "Quantitative PCR: validation of the use of a multispecific internal control", May 25, 1994, pp. 2712-2713, Nucleic Acids Research, Vol. 22, No. 13, Oxford University Press.

GROUX et al., "Regulatory T cells and inflammatory bowel disease", October 1999, pp. 442-445, Viewpoint Immunology Today.

LECART et al., "Phenotypic Characterization of Human CD4<sup>+</sup> Regulatory T Cells Obtained from Cutaneous Dinitrochlorobenzene- Induced Delayed Type of Hypersensitivity Reactions", 2001, pp. 1-8, The Society for Investigative Dermatology, Inc.

COTTREZ et al., "T Regulatory Cells 1 Inhibit a Th2-Specific Response In Vivo<sup>1</sup>", 2000, The American Association of Immunologists. pp. 4848-4853

KITANI et al., "Activated Self-MHC-Reactive T Cells Have the Cytokine Phenotype of Th3/T Regulatory Cell 1 T Cells", 2000, The American Association of Immunologists. pp. 691-702

CONSTANTIN et al., "Chemokines Trigger Immediate ß2 Integrin Affinity and Mobility Changes: Differential Regulation and Roles in Lymphocyte Arrest under Flow", December, 2000, pp.759-769, Immunity, Vol 13.

PCT Transmission in French and Written Opinion translated in English

Letter in French with search report and Written Opinion translated in English

**EXAMINER:** 

/James Martinell/

DATE CONSIDERED

10/22/2009

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

BC/blg

<sup>\*</sup> English language abstract provided for the Examiner's convenience